

# Applied Physics A

## Solids and Surfaces

**Volume A 58**  
**1994**

### Board of Editors

Y. Aoyagi, Saitama  
H.H. Andersen, Copenhagen  
D. Bäuerle, Linz  
J.G. Bednorz, Rüschlikon  
H. Coufal, San Jose, CA  
V. Dose, München  
W. Eberhardt, Jülich  
D.K. Finnemore, Ames  
W. Frank, Stuttgart  
A. Hebard, Murray Hill, NJ  
J. Heydenreich, Halle

Y. Horikoshi, Tokyo  
G. Huber, Hamburg  
H.K.V. Lotsch, Heidelberg  
H. Lüth, Jülich  
R. Osgood, New York, NY  
H.-J. Queisser, Stuttgart  
M. Razeghi, Evanston, IL  
M. Stuke, Göttingen  
F. Träger, Kassel  
W. Weppner, Stuttgart

### Copyright

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the publisher; and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

*Special regulations for photocopies in the USA:* Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0721-7269, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Printers: Universitätsdruckerei H. Stürtz AG, Würzburg  
Printed in Germany © by Springer-Verlag, Berlin, Heidelberg 1994



Springer International

# PHYSICS AND ASTRONOMY CLASSIFICATION SCHEME (PACS)

Shortened version for use in classifying papers for Applied Physics

## General

- 02 Mathematical methods in physics
- 06 Measurement science and metrology
- 07 Specific instrumentation
  - 07.60 Optical instruments and techniques, detection of radiation
  - 07.65 Optical spectroscopy and spectrometers
  - 07.75 Mass spectrometers and mass-spectroscopy techniques
  - 07.80 Electron and ion microscopes and spectrometers; techniques
  - 07.85 X-ray and gamma-ray instruments and techniques

## Atomic and molecular physics

- 32 Atomic spectra and interactions with photons
- 33 Molecular spectra and interactions of molecules with photons
- 34 Atomic and molecular collision processes and interactions
- 35 Experimentally derived information on atoms and molecules
- 36 Studies of special atoms and molecules (macro- and polymer molecules, clusters)

## Fundamental areas of phenomenology (including applications)

- 41 Electricity and magnetism
- 42 Optics (*see also* 78)
  - 42.10 Propagation and transmission in homogeneous media
  - 42.20 Propagation and transmission in inhomogeneous media
  - 42.30 Optical information, image formation and analysis
  - 42.40 Holography
  - 42.50 Quantum optics
  - 42.55 Laser processes
    - C Pumping mechanisms
    - E Molecular gas lasers ( $\text{CO}_2$ , CO,  $\text{N}_2\text{O}$ , formaldehyde)
    - G Excimer lasers
    - H Atomic, ionic, and other gas lasers
    - M Laser action in liquids and organic dyes
    - P Laser action in semiconductors
    - R Laser action in solid-state lasers
    - T Free-electron lasers
  - 42.60 Laser systems and laser-beam applications
  - B Design of specific laser systems
  - D Laser resonators, cavities, and amplifiers
  - E Laser beam deflection and focusing
  - F Laser beam modulation, mode locking, and tuning
  - 42.65 Nonlinear optics
  - 42.68 Atmospheric optics
  - 42.70 Optical materials
  - 42.80 Optical devices, techniques, and applications (including fiber and integrated optics)
- 43 Acoustics (*see also* 62)

## Fluids, plasmas, and electric discharges

- 52 Physics of plasmas and electric discharges

## Condensed matter: structure, mechanical and thermal properties

- 61 Structure of liquids and solids; crystallography (*for surface structure, see 68.35; for thin-film structure, see 68.55*)
  - 61.10 Determination of structures
  - 61.12 Neutron determination of structures
  - 61.14 Electron determination of structures
  - 61.16 Other determination of structures
  - 61.20 Liquid structures
  - 61.30 Liquid crystals
  - 61.40 Amorphous and polymer materials, glasses
  - 61.70 Defects in crystals
  - 61.80 Radiation damage and other irradiation effects
- 62 Mechanical and acoustical properties of condensed matter
- 63 Lattice dynamics and crystal statistics
- 64 Phase equilibria, and phase transitions
- 65 Thermal properties of condensed matter
- 66 Transport properties of condensed matter (nonelectronic)
  - 66.30 Diffusion and ionic conduction in solids

## Surfaces and interfaces; thin films and whiskers

- 68.10 Fluid surfaces and fluid-fluid interfaces
- 68.15 Liquid thin films
- 68.35 Solid surfaces and solid-solid interfaces (including bicrystals)
- 68.45 Solid-fluid interfaces
- 68.55 Thin films: growth, structure, epitaxy and nonelectronic properties
- 68.65 Layer structures, intercalation compounds, and superlattices: growth, structure, and nonelectronic properties
- 68.70 Whiskers and dendrites: growth, structure, and nonelectronic properties

## Condensed matter: electronic structure, electrical, magnetic, and optical properties

- 71 Electron states
- 72 Electronic transport
  - 72.15 Electronic phenomena in metals and alloys
  - 72.20 Conductivity phenomena in semiconductors and insulators
  - 72.40 Photoconduction and photovoltaic effects
  - 72.50 Acoustoelectric effects
  - 72.60 Mixed conductivity and conductivity transitions
  - 72.70 Noise processes and phenomena
- 73 Electronic structure and electrical properties of surfaces, interfaces, and thin films
  - 73.20 Electronic surface states
  - 73.25 Surface conductivity
  - 73.30 Surface double layers, Schottky barriers, and work functions
  - 73.40 Interfaces
  - 73.60 Electronic properties of thin films
- 74 Superconductivity
  - 74.70 Superconducting materials
- 75 Magnetic properties and materials
  - 75.70 Magnetic films and plates
- 76 Magnetic resonances and relaxation; Mössbauer effect
- 77 Dielectric properties and materials
  - 77.55 Dielectric thin films
- 78 Optical properties
  - 78.30 Infrared and Raman spectra
  - 78.65 Optical properties of thin films
  - 78.70 X-ray spectra and positron annihilation
- 79 Electron and ion emission by liquids and solids; impact phenomena
  - 79.20 Impact phenomena (including electron spectra and sputtering)
  - 79.40 Thermionic emission
  - 79.60 Photoemission and photoelectron spectra
  - 79.70 Field emission and field ionization

## Cross-disciplinary physics

- 81 Materials science
  - 81.10 Methods of crystal growth and purification
  - 81.15 Methods of thin-film deposition
    - Z Laser deposition methods
  - 81.40 Treatment of materials and its effect on microstructure and properties
    - Z Laser machining
  - 81.60 Corrosion, oxidation, and surface treatments
    - Z Laser techniques, including ablation
- 82 Physical chemistry
  - 82.20 Chemical kinetics and chemical reactions
  - 82.30 Specific chemical reactions; reaction mechanisms
  - 82.40 Chemical kinetics and reactions: special regimes and techniques
    - Z Laser-induced reactions
  - 82.45 Electrochemistry and electrophoresis
  - 82.50 Photochemistry and radiation chemistry
  - 82.65 Surface processes
  - 82.70 Dispersive systems
  - 82.80 Chemical analysis and related physical methods of analysis
- 84 Electromagnetic technology
  - 84.60 Direct energy conversion and energy storage
- 85 Electrical and magnetic devices
  - 85.30 Semiconductor devices
  - 85.40 Integrated electronics
  - 85.60 Photoelectric and optoelectronic devices and systems
  - 85.80 Electrochemical, thermo-EM, and other devices
- 87 Biophysics (biological effects of radiation)

A classified index for Volumes 1-25 can be found in Appl. Phys. 25, 367-453 (1981), one for Volume 26-40 in Appl. Phys. A 40/4 (August 1986), and an earlier index for Volumes 1-15 at the end of Appl. Phys. 15 (May 1978)

## Contents of Applied Physics A58

This listing presents the papers in alphabetical order of the first author, subdivided into the sections "Solids and Materials: Physical and Chemical Properties" and "Surfaces and Multilayers: Growth, Modification, and Integration". The Author Index that follows covers **Applied Physics A** and **B**, and is presented in tabular form. The names are listed in alphabetical order in the first column. The second and third columns contain the bibliographic data necessary to locate the paper. The issue is specified by the number separated from the volume number by a slash. The PACS numbers given in the fourth column may be used in conjunction with the PACS listing on the left to infer the topic of a paper.

### Solids and Materials

- Alimpiev S.S., Belov M.E., Mlinsky V.V., Nikiforov S.M., Romanjuk V.I.:  
Negative-ion emission during laser ablation of multicomponent materials.  
Appl. Phys. A 58/1, 67-72 (1994) PACS: 52.00 81.60
- Antonik E.:  
The influence of the solubility limit on diffusion of phosphorus and arsenic into silicon.  
Appl. Phys. A 58/2, 117-123 (1994) PACS: 66.30D 64.75
- Buse K., Jermann F., Krätzig E.:  
Infrared holographic recording in  $\text{LiNbO}_3:\text{Cu}$ .  
Appl. Phys. A 58/3, 291-295 (1994) PACS: 42.40 78.20 61.70
- Dominik-Dzik G., Golab S., Ryba-Romanowski W.:  
Spectroscopic properties and excited-state relaxation dynamics of  $\text{Er}^{3+}$  in  $\text{LiNbO}_3$ .  
Appl. Phys. A 58/6, 551-555 (1994) PACS: 78.55H 42.70
- Dubinko V.I., Turkina A.A.:  
Self-organization of cavities under irradiation.  
Appl. Phys. A 58/1, 21-34 (1994) PACS: 61.70 61.80
- Grechishkin V.S.:  
Application of multipulse sequences in remote NQR.  
Appl. Phys. A 58/1, 63-65 (1994) PACS: 41.00
- Häbner P.:  
Theory of solitary plastic waves: I. Lüders bands in polycrystals.  
Appl. Phys. A 58/1, 41-48 (1994) PACS: 03.40 62.20 81.40
- Häbner P.:  
Theory of solitary plastic waves: II. Lüders bands in single glide-oriented crystals.  
Appl. Phys. A 58/1, 49-58 (1994) PACS: 03.40K 62.20 81.40
- Hnatowicz V., Kvitek J., Svorcik V., Rybka Y.:  
Oxygen incorporation in polyethylene and polypropylene implanted with  $\text{F}^+$ ,  $\text{As}^+$  and  $\text{I}^+$  ions at high dose.  
Appl. Phys. A 58/4, 349-352 (1994) PACS: 61.80J 64.40
- Holzwarth U., Essmann U.:  
Temperature-induced rearrangement of the dislocation pattern of persistent slip bands in copper single crystals.  
Appl. Phys. A 58/3, 297-310 (1994)\* PACS: 62.20M 81.40
- Hsieh W.C., Su C.S.:  
Thermoluminescence in  $\text{ZrO}_2$  with impurity of ZnO induced by UV radiation.  
Appl. Phys. A 58/5, 459-465 (1994) PACS: 78.60K 61.70
- Itoh Y., Murakami H.:  
Defect study on electron irradiated GaAs by means of positron annihilation.  
Appl. Phys. A 58/1, 59-62 (1994) PACS: 78.70B 72.80
- Loheide S., Riehemann S., Krätzig E.:  
Beam-coupling in tetragonal potassium tantalate-niobate crystals.  
Appl. Phys. A 58/4, 343-347 (1994)\* PACS: 42.40 78.20 72.20
- Mansour A., Oelhafen P.:  
Effects of defects on the electronic structure of ion-irradiated graphite.  
Appl. Phys. A 58/5, 437-440 (1994) PACS: 61.80 79.60
- Nikogosyan D.N.:  
Lithium triborate (LBO). A review of its properties and applications.  
Appl. Phys. A 58/3, 281-290 (1994)\* PACS: 42.65 77.90 78.20
- Park J.H., Yang I.S., Cho H.Y.:  
Micro-Raman spectroscopy on polycrystalline  $\text{CuInSe}_2$  formation.  
Appl. Phys. A 58/2, 125-128 (1994) PACS: 78.30F 68.55 81.15
- Peka P., Lehr M.U., Schulz H.-J., Schwarz R., Benz K.W.:  
Energy levels of vanadium ions in CdTe.  
Appl. Phys. A 58/5, 447-451 (1994) PACS: 71.55G 78.55

Qian Z.L., Zhang S.Y., Lu Y.S., Wang Z.Q.:

Modulated photoreflectance characterization of ion-implanted semiconductor wafers.

Appl. Phys. A 58/5, 441-445 (1994) PACS: 78.50 71.55 78.65

Santos J.H.R. dos, Fichtner P.F.P., Behar M., Perez R., Dymant F.:

Au diffusion in  $\alpha$ -Ti.

Appl. Phys. A 58/5, 453-457 (1994) PACS: 66.30 61.80

Sekatskii S.K., Letokhov V.S., Basiev T.T., Ter-Mikirtychev V.V.:

Laser-resonance external photoelectric effect in  $\text{F}_2$  color centers of LiF crystals.

Appl. Phys. A 58/5, 467-470 (1994) PACS: 79.60E 78.50

Simoen E., Dierickx B., Canne B. De, Thoma F., Claeys C.:

On the gate-and-drain-voltage dependence of the RTS amplitude in sub-micron MOSTs.

Appl. Phys. A 58/4, 353-358 (1994) PACS: 85.30T 72.70

Tölg C., Zaiser M., Hähner P., Frank W.:

Theory of radiation-induced self-organization of defect structures: I. Stacking-fault-tetrahedron lattices.

Appl. Phys. A 58/1, 3-10 (1994) PACS: 61.80F 61.70 64.90

Tölg C., Hähner P., Zaiser M., Frank W.:

Theory of radiation-induced self-organization of defect structures: II. Ordering of patches of stacking-fault-tetrahedron lattices.

Appl. Phys. A 58/1, 11-19 (1994) PACS: 61.80F 61.70 64.90

Turkin A.A., Dubinko V.I.:

Formation of dislocation patterns under irradiation.

Appl. Phys. A 58/1, 35-39 (1994) PACS: 61.70 61.80

Vanhellemont J., Romano-Rodriguez A.:

On the influence of extrinsic point defects on irradiation-induced point-defect distributions in silicon.

Appl. Phys. A 58/6, 541-549 (1994) PACS: 61.80F 61.70

Wang X.L., Shang S.X., Wang H., Jiang M.H., Zhao Z.X.:

Superconductivity of  $\text{Bi}_2(\text{Sr}_{0.9}\text{Ca}_{0.1})_2\text{CuO}_y$  single crystals.

Appl. Phys. A 58/1, 73-75 (1994) PACS: 74.62B 74.25

Yuan S., Kadowaki K., Yang Z., Takeya H., Kimura T., Kishic K.:

Scaling the c-axis resistive transitions of single-crystalline  $\text{La}_{0.85}\text{Sr}_{0.15}\text{CuO}_x$  for fields parallel to the c-axis.

Appl. Phys. A 58/6, 623-627 (1994) PACS: 74.25F 74.60 74.20

Zhang X.B., Zhang X.F., Amelinckx S., Werner H.:

Electron-microscopy and electron-diffraction study of order-disorder phenomena in the intercalate  $\text{C}_{60}(\text{I}_2)_{2-x}$ .

Appl. Phys. A 58/2, 107-116 (1994) PACS: 61.10 68.65

### Surfaces and Multilayers

Andrade M.C. de, Moehlecke S.:

Indium tin oxide as an optical memory material.

Appl. Phys. A 58/5, 503-506 (1994) PACS: 42.79V 42.70

Boer D.K.G. de, Leenaers A.J.G., Hoogenhof W.W. van den:

The profile of layered materials reflected by glancing-incidence X-ray analysis.

Appl. Phys. A 58/3, 269-272 (1994)\* PACS: 61.10L 68.55 68.65 78.70

Bolse W., Petevs S.D., Saris F.W.:

Modification of engineering silicon nitride ceramics by energetic-ion bombardment.

Appl. Phys. A 58/5, 493-502 (1994) PACS: 81.40 61.80 62.20

Brandl D., Schoppmann Ch., Tomaschko Ch., Markl J., Voit H.:

Preparation of ultrathin metal-oxide layers by means of Langmuir-Blodgett films.

Appl. Phys. A 58/6, 557-562 (1994) PACS: 68.55G

Britton D.T., Willutzki P., Trifshäuser W., Hammerl E., Hansch W., Eisele I.:

On the sensitivity of positrons to electric fields and defects in MBE-grown silicon structures.

Appl. Phys. A 58/4, 389-393 (1994) PACS: 71.65 73.40 73.60 78.70

Chyla W.T., Deering W.D.:

Electrostatic correction to the square potential-model of nanostructures significantly affects current resonances.

Appl. Phys. A 58/1, 91-98 (1994) PACS: 73.40G 79.80 85.30

Dash G.N., Pati S.P.:

Studies on the prospects of  $\text{GaInAs}$  and  $\text{GaInAsP}$  for double-drift region heterostructure IMPATTs.

Appl. Phys. A 58/2, 211-217 (1994) PACS: 85.30 81.10 73.40

Däweritz L., Kostial H.:

Self-organized in-plane incorporation of Si atoms in GaAs by molecular beam epitaxy.

Appl. Phys. A 58/1, 81-86 (1994) PACS: 65.55L 61.14



- Dress P., Kardinahl T., Franke H.:  
Volume phase gratings in DMPA-doped polymers.  
Appl. Phys. A 58/4, 401-405 (1994) PACS: 42.40 82.50 78.65
- El-Bahrawi M.S., Khodier S., Kishk S.S., Nagib N.N.:  
Optical properties of cuprous telluride films.  
Appl. Phys. A 58/6, 601-605 (1994) PACS: 78.65
- Fewster P.F.:  
High-resolution diffraction-space mapping and topography.  
Appl. Phys. A 58/3, 221-227 (1994)\* PACS: 07.85 68.55 61.70
- Gaboriaud R.J., Benayoun S., Perrière J., Salmon E.:  
Angular distribution of ion-beam-sputtered elements from an  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  target.  
Appl. Phys. A 58/4, 385-388 (1994) PACS: 74.75 81.15
- Giorgi M.L., De, Hermann J., Luches A., Perrone A., Renna L.:  
Spectroscopic studies of XeCl-laser-induced plasma on Ti targets in nitrogen containing atmospheres.  
Appl. Phys. A 58/6, 595-599 (1994) PACS: 52.25 42.60 35.80
- Gorbach T.Ya., Rudko G.Yu., Smertenko P.S., Svechnikov S.V., Valakh M.Ya.:  
Photoluminescence of anisotropically etched silicon.  
Appl. Phys. A 58/2, 183-186 (1994) PACS: 78.55H 78.66 81.60
- Grigorov K.G., Bouchier D., Grigorov G.I., Vignes J.-L., Langeron J.-P.:  
A simple estimate of deposited energy and concentration profiles in films produced by ion-assisted physical vapour deposition.  
Appl. Phys. A 58/6, 619-622 (1994) PACS: 68.55 81.15 81.40
- Halliwel M.A.G.:  
Practical interpretation of X-ray rocking curves from semiconductor heteroepitaxial layers.  
Appl. Phys. A 58/3, 235-240 (1994)\* PACS: 68.55
- Holy V.:  
Diffuse X-ray scattering from non-ideal periodical crystalline multilayers.  
Appl. Phys. A 58/3, 273-280 (1994)\* PACS: 61.10D 61.72 68.55 68.65
- Jia Q.X., Ebihara K., Ikegami T., Anderson W.A.:  
Metal/TaN ( $\approx 5\text{nm}$ )/Si diode fabricated by DC magnetron sputtering.  
Appl. Phys. A 58/5, 487-491 (1994) PACS: 73.30 73.40 81.15
- Kautek W., Mitterer S., Krüger J., Husinsky W., Grabner G.:  
Femtosecond-pulse laser ablation of human corneas.  
Appl. Phys. A 58/5, 513-518 (1994) PACS: 81.60 87.00
- Köhler R.:  
High-resolution X-ray topography.  
Appl. Phys. A 58/3, 249-257 (1994)\* PACS: 61.10L 61.72 68.55
- Könenkamp R., Henninger R.:  
Recombination in nanophase  $\text{TiO}_2$  films.  
Appl. Phys. A 58/1, 87-90 (1994) PACS: 72.40 73.60 81.15
- Kragler G., Bender H., Willeke G., Bucher E., Vanhellemont J.:  
Characterization of SIPOS films by spectroscopic ellipsometry and transmission electron microscopy.  
Appl. Phys. A 58/1, 77-80 (1994) PACS: 07.65 07.80 68.55
- Krotkus A., Pasiskevicius V., Lideikis T., Treidiris G., Lescinskas D., Jasutis V.:  
Ultrafast photoconductors from low-temperature MOCVD-grown GaAs and InGaAs epitaxial layers.  
Appl. Phys. A 58/2, 177-181 (1994) PACS: 81.40C 85.60 72.20
- Layadi N., Roca i Cabarrocas P., Gerri M., Marine W., Spousta J.:  
Excimer-laser-assisted RF glow-discharge deposition of amorphous and microcrystalline silicon thin films.  
Appl. Phys. A 58/5, 507-512 (1994) PACS: 61.80B 81.15 81.40
- Lee A., Corrado B., Zhu X.D.:  
Surface electromagnetic radiation from a spatially modulated oscillating dipole layer.  
Appl. Phys. A 58/6, 615-618 (1994) PACS: 78.65 07.60 68.35
- Lee Sunwoo, Dowben P.A.:  
The properties of boron carbide/silicon heterojunction diodes fabricated by plasma-enhanced chemical vapor deposition.  
Appl. Phys. A 58/3, 323-327 (1994)\* PACS: 81.15G 82.30
- Lue J.-T., Sheng J.-S.:  
Optical properties of thin metallic film/dielectric superlattices constrained by the size effect.  
Appl. Phys. A 58/5, 535-539 (1994) PACS: 78.66 73.61 74.20
- Lu H., Wang X.D., Bai C.L., Hashizume T., Sakurai T.:  
Interaction of atomic hydrogen with the  $\text{Si}(100)2\times 1$  surface.  
Appl. Phys. A 58/2, 203-209 (1994) PACS: 61.16C 68.35
- Lu Y.F., Loh T.E., Teo B.S., Low T.S.:  
Effect of polarization on laser-induced surface-temperature rise.  
Appl. Phys. A 58/4, 423-429 (1994) PACS: 02.00 42.60 81.60
- Marzouk H.A., Kim J.S., Reucroft P.J., Jacob R.J., Robertson J.D., Eloi C.:  
Evaluation of copper chemical-vapor-deposition films on glass and Si (100) substrates.  
Appl. Phys. A 58/6, 607-613 (1994) PACS: 81.15 68.55 07.80
- Matthias E., Reichling M., Siegel J., Käding O.W., Petzold S., Skurk H., Bizenberger P., Neske E.:  
The influence of thermal diffusion on laser ablation of metal films.  
Appl. Phys. A 58/2, 129-136 (1994) PACS: 68.60D 79.20
- Meléndez-Lira M., Hernández-Calderon, Niles D.W., Höchst H.:  
Photorefectance characterization of CdTe thin films grown by molecular beam epitaxy on GaAs(100).  
Appl. Phys. A 58/3, 319-322 (1994)\* PACS: 68.55B 78.65
- Nistor L.C., Van Landuyt J., Ralchenko V.G., Kononenko T.V., Obraztsova E.D., Strelitsky V.E.:  
Direct observation of laser-induced crystallization of a-C:H films.  
Appl. Phys. A 58/2, 137-144 (1994) PACS: 61.80B 61.16 78.30
- Okada N., Katsumura Y., Ishiguro K.:  
Improvement of corrosion resistance of carbon steel using chemical vapor deposition from the mixture of  $\text{Mo}(\text{CO})_6$  and  $\text{Cr}(\text{CO})_6$  with an ArF-excimer laser.  
Appl. Phys. A 58/1, 99-105 (1994) PACS: 81.15 81.60 68.55
- Osterfeld M., Franke H., Brandenburg A.:  
Compensation of temperature drift in leaky-mode spectra for sensor applications.  
Appl. Phys. A 58/3, 315-318 (1994)\* PACS: 42.82 42.79
- Osterfeld M., Franke H.:  
Thermo-optical investigation of clamped ferroelectric polymer films.  
Appl. Phys. A 58/6, 589-593 (1994) PACS: 78.66Q 42.82 77.80 65.70
- Osavy K., Bor Z., Rácz B., Heitz J.:  
Direct writing and in-situ material processing by a laser-micromachining projection microscope.  
Appl. Phys. A 58/3, 311-314 (1994)\* PACS: 42.60B 81.60
- Perrière J., Vickridge I., Laurent A.:  
A  $^{13}\text{C}$  isotopic tracing study of a-C:H thin-film growth.  
Appl. Phys. A 58/2, 187-190 (1994) PACS: 68.55 66.00 81.15
- Pesk A.:  
Analysis of ion-implanted silicon using high-resolution X-ray diffraction.  
Appl. Phys. A 58/3, 241-247 (1994)\* PACS: 61.72T 61.80 61.10
- Petrocelli G., Martellucci S.:  
Second-harmonic generation at the surface of cubic ionic crystals.  
Appl. Phys. A 58/4, 431-435 (1994) PACS: 42.65K 78.66
- Pettit G.H., Ediger M.N., Hahn D.W., Brinson B.E., Sauerbrey R.:  
Transmission of polyimide during pulsed ultraviolet laser irradiation.  
Appl. Phys. A 58/6, 573-579 (1994) PACS: 42.10 81.60 82.50
- Pogossian S.P., Gall H. Le:  
Optical losses in ion-implanted waveguides.  
Appl. Phys. A 58/5, 519-522 (1994) PACS: 42.80L
- Proyer S., Stangl E., Schwab P., Bäuerle D., Simon P., Jordan C.:  
Patterning of YBCO films by excimer-laser ablation.  
Appl. Phys. A 58/5, 471-474 (1994) PACS: 42.60 74.70 73.60
- Qin L.H., Zheng Y.D., Zhang R., Gu S.L., Shi H.T., Feng D.:  
Ellipsometric studies of porous silicon.  
Appl. Phys. A 58/2, 163-165 (1994) PACS: 07.60D 78.66
- Ren Zhong-Min, Ying Zhi-Feng, Xiong Xia-Xing, He Mao-Qi, Li Fu-Ming, Du Yuan-Cheng, Cheng Liang-Yao:  
Study of the growth of thin nitride films under low-energy nitrogen-ion bombardment.  
Appl. Phys. A 58/4, 395-399 (1994) PACS: 41.80G 68.55 79.60
- Roca i Cabarrocas P., Lloret A.:  
Optical and electronic properties of hydrogenated amorphous silicon films deposited by square-wave modulated RF discharges of silane-He mixtures.  
Appl. Phys. A 58/4, 365-369 (1994) PACS: 81.15G 72.80
- Rogers J.A., Yang Y., Nelson K.A.:  
Elastic modulus and in-plane thermal diffusivity measurements in thin polyimide films using symmetry-selective real-time impulsive stimulated thermal scattering.  
Appl. Phys. A 58/5, 523-534 (1994) PACS: 43.35P 44.90 68.60 78.47
- Savatinova I., Tonchev S., Kuneva M., Liarokapis E.:  
Raman scattering and phase state of  $\text{H:LiTaO}_3$  waveguide thin films.  
Appl. Phys. A 58/5, 481-485 (1994) PACS: 64.70 78.30 78.65
- Serna R., Afonso C.N., Petford-Long A.K., Long N.J.:  
Structural ripple formation in Ge/Sb multilayers induced by laser irradiation.  
Appl. Phys. A 58/2, 197-202 (1994) PACS: 64.75 78.90 81.40

Sinzig J., Quinten M.:

Scattering and absorption by spherical multilayer particles.

Appl. Phys. A 58/2, 157-162 (1994) PACS: 42.10 41.70 82.70

Sluis P. van der:

Determination of strain in epitaxial semiconductor structures by high-resolution X-ray diffraction.

Appl. Phys. A 58/3, 229-234 (1994)\* PACS: 61.10D 61.10

Stock H.-J., Kleineberg U., Heidemann B., Hilgers K., Kloidt A.,

Schmiedeskamp B., Heinzmann U., Krumrey M., Müller P., Scholze F.:

Thermal stability of Mo/Si multilayer soft-X-ray mirrors fabricated by electron-beam evaporation.

Appl. Phys. A 58/4, 371-376 (1994) PACS: 68.55 68.65 78.65

Sumiyoshi T., Ninomiya Y., Ogasawara H., Obara M., Tanaka H.:

Efficient ablation of organic polymers by sulphone and polyether ether ketone by a TEA CO<sub>2</sub> laser with high perforation ability.

Appl. Phys. A 58/5, 457-479 (1994) PACS: 42.60 82.50

Takai M., Nagatomo S., Kohda H., Yada C., Sandaiji H., Takeya F.:

Laser chemical processing of magnetic materials for recording-head application.

Appl. Phys. A 58/4, 359-363 (1994) PACS: 81.60B 81.40 85.70

Tamura M., Saitoh T., Palmer J.E., Yodo T.:

Threading dislocations in GaAs on Si grown with  $\approx 1$  nm thick Si interlayers.

Appl. Phys. A 58/2, 145-155 (1994) PACS: 61.14 61.70 68.55

Vega F., Serna R., Solis J., Afonso C.N.:

Transient-reflectivity study of pulsed UV-laser-induced oxidation of Sb.

Appl. Phys. A 58/4, 417-421 (1994) PACS: 81.60 81.40 78.65

Wendler L., Kändler E.:

Theory of the photoacoustic effect of semiconductor quantum wells.

Appl. Phys. A 58/2, 167-175 (1994) PACS: 78.66 73.20 78.20 43.35

Wilke I., Oppliger Y., Herrmann W., Kneubühl F.K.:

Nanometer thin-film Ni-NiO-Ni diodes for 30 THz radiation.

Appl. Phys. A 58/4, 329-341 (1994) PACS: 07.60 42.70 42.80

Wu H., Sprung D.W.L.:

Validity of the transfer-matrix method for a two-dimensional electron waveguide.

Appl. Phys. A 58/6, 581-587 (1994) PACS: 72.10 73.20

Yavas O., Leiderer P., Park H.K., Grigoropoulos C.P., Poon C.C.,

Leung W.P., Do N., Tam A.C.:

Optical and acoustic study of nucleation and growth of bubbles at a liquid-solid interface induced by nanosecond-pulsed-laser heating.

Appl. Phys. A 58/4, 407-415 (1994) PACS: 64.70F 79.20

Zabel H.:

X-ray and neutron reflectivity analysis of thin films and superlattices.

Appl. Phys. A 58/3, 259-268 (1994) PACS: 61.10L 61.12 68.55

Zhang S.K., Sugioka K., Fan J., Toyoda K., Zou S.C.:

Studies on excimer laser doping of GaAs using sulphur adsorbate as dopant source.

Appl. Phys. A 58/2, 191-195 (1994) PACS: 61.70T 42.60 73.90

Zimmermann P., Ristau D., Welsch E.:

Potentiality of the photothermal surface-displacement technique for precisely performed absorption measurement of optical coatings.

Appl. Phys. A 58/4, 377-383 (1994) PACS: 78.20N 42.78 68.35 68.45

\* In the March issue of Volume A 58 [Appl. Phys. A 58/3 (1994)], there was unfortunately an error in pagination; all page numbers should have been 100 higher. In the present index the correct page numbers are given.

| Name             | First Author      | Applied Physics         | PACS   | Name               | First Author      | Applied Physics         | PACS   |
|------------------|-------------------|-------------------------|--------|--------------------|-------------------|-------------------------|--------|
| Afonso C.N.      | Serna R.          | A 58/2, 197-202 (1994)  | 64.75  | Dash G.N.          | Dash G.N.         | A 58/2, 211-217 (1994)  | 85.30  |
| Afonso C.N.      | Vega F.           | A 58/4, 417-421 (1994)  | 81.60  | Däweritz L.        | Däweritz L.       | A 58/1, 81-86 (1994)    | 65.55L |
| Akulshin A.M.    | Akulshin A.M.     | B 58/6, 529-532 (1994)  | 42.60  | Deering W.D.       | Chyla W.T.        | A 58/1, 91-98 (1994)    | 73.40G |
| Alimpiev S.S.    | Alimpiev S.S.     | A 58/1, 67-72 (1994)    | 52.00  | Delfyett P.J.      | Delfyett P.J.     | B 58/3, 183-195 (1994)  | 42.55P |
| Amelinckx S.     | Zhang X.B.        | A 58/2, 107-116 (1994)  | 61.10  | Demtröder W.       | Grosskloss R.     | B 58/2, 137-142 (1994)  | 07.65  |
| Anderson W.A.    | Jia Q.X.          | A 58/5, 487-491 (1994)  | 73.30  | Dienes A.          | Delfyett P.J.     | B 58/3, 183-195 (1994)  | 42.55P |
| Andrade M.C. de  | Andrade M.C. de   | A 58/5, 503-506 (1994)  | 42.79V | Dierckx B.         | Simoen E.         | A 58/4, 353-358 (1994)  | 85.30T |
| Andresen P.      | Grünefeld G.      | B 58/4, 333-342 (1994)  | 07.60  | Dominiak-Dzik G.   | Dominiak-Dzik G.  | A 58/6, 551-555 (1994)  | 78.55H |
| Amendi P.        | Strobel G.L.      | B 58/1, 45-50 (1994)    | 42.55V | Do N.              | Yavas O.          | A 58/4, 407-415 (1994)  | 64.70F |
| Antoncik E.      | Antoncik E.       | A 58/2, 117-123 (1994)  | 66.30D | Dowben P.A.        | Lee Sunwoo        | A 58/3, 323-327 (1994)* | 81.15G |
| Apai P.          | Rubin Gy.         | B 58/2, 105-110 (1994)  | 42.55  | Dress P.           | Dress P.          | A 58/4, 401-405 (1994)  | 42.40  |
| Asimov M.M.      | Rubinov A.N.      | B 58/1, 83-84 (1994)    | 42.60  | Driel H.M. van     | Greiner U.J.      | B 58/5, 393-395 (1994)  | 42.55  |
| Astill A.G.      | Smith A.P.        | B 58/6, 459-466 (1994)  | 82.40P | Dubinko V.I.       | Dubinko V.I.      | A 58/1, 21-34 (1994)    | 61.70  |
|                  |                   |                         |        | Dubinko V.I.       | Turkin A.A.       | A 58/1, 35-39 (1994)    | 61.70  |
|                  |                   |                         |        | Du Yuan-Cheng      | Ren Zhong-Min     | A 58/4, 395-399 (1994)  | 41.80G |
|                  |                   |                         |        | Dymet F.           | Santos J.H.R. dos | A 58/5, 453-457 (1994)  | 66.30  |
| Badini R.        | Omenetto N.       | B 58/4, 303-307 (1994)  | 32.00  | Ebihara K.         | Jia Q.X.          | A 58/5, 487-491 (1994)  | 73.30  |
| Bai C.L.         | Lu H.             | A 58/2, 203-209 (1994)  | 61.16C | Eder D.C.          | Strobel G.L.      | B 58/1, 45-50 (1994)    | 42.55V |
| Bangar Raju B.   | Bangar Raju B.    | B 58/1, 79-81 (1994)    | 42.55M | Ediger M.N.        | Pettit G.H.       | A 58/6, 573-579 (1994)  | 42.10  |
| Bär E.           | Marowsky G.       | B 58/6, 501-503 (1994)  | 42.65  | Eichler H.J.       | Eichler H.J.      | B 58/5, 409-411 (1994)  | 42.55R |
| Basiev T.T.      | Sekatskii S.K.    | A 58/5, 467-470 (1994)  | 79.60E | Eichler H.J.       | Eichler H.J.      | B 58/5, 421-424 (1994)  | 42.60L |
| Bäuerle D.       | Proyer S.         | A 58/5, 471-474 (1994)  | 42.60  | Eisele I.          | Britton D.T.      | A 58/4, 389-393 (1994)  | 71.65  |
| Befort O.        | Stolle R.         | B 58/4, 317-321 (1994)  | 42.65  | El-Bahrawi M.S.    | El-Bahrawi M.S.   | A 58/6, 601-605 (1994)  | 78.65  |
| Behar M.         | Santos J.H.R. dos | A 58/5, 453-457 (1994)  | 66.30  | Ellingson R.J.     | Tang C.L.         | B 58/3, 243-248 (1994)  | 42.65R |
| Beier B.         | Beier B.          | B 58/5, 381-388 (1994)  | 42.60B | Eloi C.            | Marzouk H.A.      | A 58/6, 607-613 (1994)  | 81.15  |
| Belov M.E.       | Alimpiev S.S.     | A 58/1, 67-72 (1994)    | 52.00  | Ernst W.E.         | Schilling G.      | B 58/4, 267-271 (1994)  | 42.65  |
| Benayoun S.      | Gaboriaud R.J.    | A 58/4, 385-388 (1994)  | 74.75  | Essmann U.         | Holzwarth U.      | A 58/3, 297-310 (1994)* | 62.20M |
| Bender H.        | Kragler G.        | A 58/1, 77-80 (1994)    | 07.65  | Eyal M.            | Gaponenko S.V.    | B 58/4, 283-288 (1994)  | 33.00  |
| Benz K.W.        | Peka P.           | A 58/5, 447-451 (1994)  | 71.55G | Falcone R.W.       | Murnane M.M.      | B 58/3, 261-266 (1994)  | 52.25N |
| Beushausen V.    | Grünefeld G.      | B 58/4, 333-342 (1994)  | 07.60  | Fang S.W.          | Wang Y.Z.         | B 58/4, 327-331 (1994)  | 32.80P |
| Bille J.F.       | Fischer J.P.      | B 58/6, 493-499 (1994)  | 87.50H | Fan J.             | Zhang S.K.        | A 58/2, 191-195 (1994)  | 61.70T |
| Blitzenberger P. | Matthias E.       | A 58/2, 129-136 (1994)  | 68.60D | Fehér M.           | Miklos A.         | B 58/6, 483-492 (1994)  | 43.35U |
| Bleckmann A.     | Danger T.         | B 58/5, 413-420 (1994)  | 42.55R | Feng D.            | Qin L.H.          | A 58/2, 163-165 (1994)  | 07.60D |
| Boer D.K.G. de   | Boer D.K.G. de    | A 58/3, 269-272 (1994)* | 61.10L | Fermann M.E.       | Fermann M.E.      | B 58/3, 197-209 (1994)  | 42.60D |
| Boillot J.-P.    | Brunel M.         | B 58/6, 443-445 (1994)  | 42.10  | Fewster P.F.       | Fewster P.F.      | A 58/3, 221-227 (1994)  | 07.85  |
| Boller K.-J.     | Beier B.          | B 58/5, 381-388 (1994)  | 42.60B | Fichtner P.F.P.    | Santos J.H.R. dos | A 58/5, 453-457 (1994)  | 66.30  |
| Boller K.-J.     | Schröder T.       | B 58/5, 425-438 (1994)  | 42.70  | Fiedler K.         | Paschotta R.      | B 58/2, 117-122 (1994)  | 42.65K |
| Bolse W.         | Bolse W.          | A 58/5, 493-502 (1994)  | 81.40  | Fill E.E.          | Steingruber J.    | B 58/1, 29-34 (1994)    | 52.25D |
| Bor Z.           | Osavay K.         | A 58/3, 311-314 (1994)* | 42.60B | Finizio A.         | Nicola S. De      | B 58/2, 133-135 (1994)  | 78.20C |
| Bor Z.           | Szabo G.          | B 58/3, 237-241 (1994)  | 42.60  | Fischer J.P.       | Fischer J.P.      | B 58/6, 493-499 (1994)  | 87.50H |
| Böttcher W.      | Lück H.           | B 58/2, 123-132 (1994)  | 42.55G | Fix A.             | Schröder T.       | B 58/5, 425-438 (1994)  | 42.70  |
| Böttcher W.      | Schwabedissen A.  | B 58/6, 471-481 (1994)  | 42.55G | Flood C.J.         | Greiner U.J.      | B 58/5, 393-395 (1994)  | 42.55  |
| Bouchier D.      | Grigorov K.G.     | A 58/6, 619-622 (1994)  | 68.55  | Franke H.          | Osterfeld M.      | A 58/3, 315-318 (1994)* | 42.82  |
| Bozoki Z.        | Miklos A.         | B 58/6, 483-492 (1994)  | 43.35U | Franke H.          | Dress P.          | A 58/4, 401-405 (1994)  | 42.40  |
| Brandenburg A.   | Osterfeld M.      | A 58/3, 315-318 (1994)* | 42.82  | Franke H.          | Osterfeld M.      | A 58/6, 589-593 (1994)  | 78.66Q |
| Brandl D.        | Brandl D.         | A 58/6, 557-562 (1994)  | 68.55G | Frank W.           | Tölg C.           | A 58/1, 3-10 (1994)     | 61.80F |
| Brauch U.        | Giesen A.         | B 58/5, 365-372 (1994)  | 42.55R | Frank W.           | Tölg C.           | A 58/1, 11-19 (1994)    | 61.80F |
| Brauch U.        | Brauch U.         | B 58/5, 397-402 (1994)  | 42.55R | Freitag I.         | Freitag I.        | B 58/6, 537-550 (1994)  | 42.50  |
| Brener I.        | Nuss M.C.         | B 58/3, 249-259 (1994)  | 71.35  | Frenz M.           | Helfer D.         | B 58/4, 309-315 (1994)  | 42.81  |
| Brinson B.E.     | Pettit G.H.       | A 58/6, 573-579 (1994)  | 42.10  |                    |                   |                         |        |
| Britton D.T.     | Britton D.T.      | A 58/4, 389-393 (1994)  | 71.65  |                    |                   |                         |        |
| Brun A.          | Brunel M.         | B 58/6, 443-445 (1994)  | 42.10  |                    |                   |                         |        |
| Brunel M.        | Brunel M.         | B 58/6, 443-445 (1994)  | 42.10  |                    |                   |                         |        |
| Brusilovsky D.   | Gaponenko S.V.    | B 58/4, 283-288 (1994)  | 33.00  |                    |                   |                         |        |
| Bucher E.        | Kragler G.        | A 58/1, 77-80 (1994)    | 07.65  |                    |                   |                         |        |
| Buse K.          | Buse K.           | A 58/3, 291-295 (1994)  | 42.60  |                    |                   |                         |        |
|                  |                   |                         |        |                    |                   |                         |        |
| Cairns G.        | Cairns G.         | B 58/1, 51-56 (1994)    | 42.60B | Gaboriaud R.J.     | Gaboriaud R.J.    | A 58/4, 385-388 (1994)  | 74.75  |
| Cai W.Q.         | Wang Y.Z.         | B 58/4, 327-331 (1994)  | 32.80P | Gall H. Le:        | Pogossian S.P.    | A 58/5, 519-522 (1994)  | 42.80L |
| Canne B. De      | Simoen E.         | A 58/4, 353-358 (1994)  | 85.30T | Gaponenko S.V.     | Gaponenko S.V.    | B 58/4, 283-288 (1994)  | 33.00  |
| Canto-Said E.J.  | Jordan C.         | B 58/2, 111-115 (1994)  | 42.65  | Germanenko I.N.    | Gaponenko S.V.    | B 58/4, 283-288 (1994)  | 33.00  |
| Canva M.         | Brunel M.         | B 58/6, 443-445 (1994)  | 42.10  | Geri M.            | Layadi N.         | A 58/5, 507-512 (1994)  | 61.80B |
| Carbonara G.     | Nicola S. De      | B 58/2, 133-135 (1994)  | 78.20C | Giesen A.          | Giesen A.         | B 58/5, 365-372 (1994)  | 42.55R |
| Carter C.D.      | Carter C.D.       | B 58/6, 519-528 (1994)  | 34.50E | Giorgi M.L. De     | Giorgi M.L. De    | A 58/6, 595-599 (1994)  | 52.25  |
| Chai B.H.T.      | Sandrock T.       | B 58/2, 149-151 (1994)  | 42.55R | Golab S.           | Dominiak-Dzik G.  | A 58/6, 551-555 (1994)  | 78.55H |
| Changakoti R.    | Manivannan G.     | B 58/1, 73-77 (1994)    | 42.70  | Golla D.           | Golla D.          | B 58/5, 389-392 (1994)  | 42.55R |
| Chang Y.H.       | Delfyett P.J.     | B 58/3, 183-195 (1994)  | 42.55P | Gorbach T. Ya.     | Gorbach T. Ya.    | A 58/2, 183-186 (1994)  | 78.55H |
| Chaput F.        | Brunel M.         | B 58/6, 443-445 (1994)  | 42.10  | Gordon S.P.        | Murnane M.M.      | B 58/3, 261-266 (1994)  | 52.25N |
| Chaux R.         | Chaux R.          | B 58/1, 63-67 (1994)    | 07.65  | Götz M.H.          | Fischer J.P.      | B 58/6, 493-499 (1994)  | 87.50H |
| Cheng L.-T.      | Marowsky G.       | B 58/6, 501-503 (1994)  | 42.65  | Grabner G.         | Kautek W.         | A 58/5, 513-518 (1994)  | 81.60  |
| Cheng Liang-Yao  | Ren Zhong-Min     | A 58/4, 395-399 (1994)  | 41.80G | Graham S.          | Gaponenko S.V.    | B 58/4, 283-288 (1994)  | 33.00  |
| Chen S.C.        | Gu H.P.           | B 58/2, 143-148 (1994)  | 36.40  | Grant R.S.         | Sibbett W.        | A 58/3, 171-181 (1994)  | 42.55R |
| Chen X.Z.        | Wang Y.Z.         | B 58/4, 327-331 (1994)  | 32.80P | Grechishkin V.S.   | Grechishkin V.S.  | B 58/1, 63-65 (1994)    | 41.00  |
| Cheung N.H.      | Gu H.P.           | B 58/2, 143-148 (1994)  | 36.40  | Greiner U.J.       | Greiner U.J.      | B 58/5, 393-395 (1994)  | 42.55  |
| Chiu P.H.        | Yamakawa K.       | B 58/4, 323-326 (1994)  | 42.55R | Griebner U.        | Koch R.           | B 58/5, 403-407 (1994)  | 42.55W |
| Cho H.Y.         | Park J.H.         | A 58/2, 125-128 (1994)  | 78.30F | Grigoropoulos C.P. | Yavas O.          | A 58/4, 407-415 (1994)  | 64.70F |
| Chuang S.L.      | Nuss M.C.         | B 58/3, 249-259 (1994)  | 71.35  | Grigorov K.G.      | Grigorov K.G.     | A 58/6, 619-622 (1994)  | 68.55  |
| Chyla W.T.       | Chyla W.T.        | A 58/1, 91-98 (1994)    | 73.40G | Grosskloss R.      | Grosskloss R.     | A 58/6, 619-622 (1994)  | 68.55  |
| Claeys C.        | Simoen E.         | A 58/4, 353-358 (1994)  | 85.30T | Grünefeld G.       | Grünefeld G.      | B 58/2, 137-142 (1994)  | 07.65  |
| Corrado B.       | Lee A.            | A 58/6, 615-618 (1994)  | 78.65  | Grunwald R.        | Koch R.           | B 58/4, 333-342 (1994)  | 07.60  |
|                  |                   |                         |        | Gu H.P.            | Gu H.P.           | B 58/5, 403-407 (1994)  | 42.55W |
|                  |                   |                         |        | Gu S.L.            | Qin L.H.          | B 58/2, 143-148 (1994)  | 36.40  |
|                  |                   |                         |        |                    |                   | A 58/2, 163-165 (1994)  | 07.60D |
| Dams J.          | Fischer J.P.      | B 58/6, 493-499 (1994)  | 87.50H | Haase A.           | Eichler H.J.      | B 58/5, 409-411 (1994)  | 42.55R |
| Danger T.        | Danger T.         | B 58/5, 413-420 (1994)  | 42.55R | Hahn D.W.          | Pettit G.H.       | A 58/6, 573-579 (1994)  | 42.10  |
| Danger T.        | Sandrock T.       | B 58/2, 149-151 (1994)  | 42.55R | Häbner P.          | Tölg C.           | A 58/1, 11-19 (1994)    | 61.80F |
| Danster D.       | Danster D.        | B 58/2, 97-104 (1994)   | 42.10  | Häbner P.          | Tölg C.           | A 58/1, 3-10 (1994)     | 61.80F |



| Name               | First Author     | Applied Physics         | PACS   | Name               | First Author       | Applied Physics         | PACS   |
|--------------------|------------------|-------------------------|--------|--------------------|--------------------|-------------------------|--------|
| Häbner P.          | Häbner P.        | A 58/1, 41-48 (1994)    | 03.40  | Knappe R.          | Beier B.           | B 58/5, 381-388 (1994)  | 42.60B |
| Häbner P.          | Häbner P.        | A 58/1, 49-58 (1994)    | 03.40K | Kneubühl F.K.      | Wilke I.           | B 58/2, 87-95 (1994)    | 07.60  |
| Halliwell M.A.G.   | Halliwell M.A.G. | A 58/3, 235-240 (1994)* | 68.55  | Kneubühl F.K.      | Wilke I.           | A 58/4, 329-341 (1994)  | 07.60  |
| Hammerl E.         | Britton D.T.     | A 58/4, 389-393 (1994)  | 71.65  | Knoke S.           | Golla D.           | B 58/5, 389-392 (1994)  | 42.55R |
| Hammer Th.         | Hammer Th.       | B 58/6, 505-513 (1994)  | 52.25Q | Knox W.H.          | Knox W.H.          | B 58/3, 225-235 (1994)  | 42.10  |
| Hammer Th.         | Schwabedissen A. | B 58/6, 471-481 (1994)  | 42.55G | Koch J.A.          | Koch J.A.          | B 58/1, 7-11 (1994)     | 42.55V |
| Hansch W.          | Britton D.T.     | A 58/4, 389-393 (1994)  | 71.65  | Koch J.A.          | Moreno J.C.        | B 58/1, 3-5 (1994)      | 31.30G |
| Hashizume T.       | Lu H.            | A 58/2, 203-209 (1994)  | 61.16C | Koch R.            | Koch R.            | B 58/5, 403-407 (1994)  | 42.55W |
| Heimann B.         | Stock H.-J.      | A 58/4, 371-376 (1994)  | 68.55  | Kohda H.           | Takai M.           | A 58/4, 359-363 (1994)  | 81.60B |
| Heinzmann U.       | Stock H.-J.      | A 58/4, 371-376 (1994)  | 68.55  | Köhler R.          | Köhler R.          | A 58/3, 249-257 (1994)* | 61.10L |
| Heitz J.           | Osvey K.         | A 58/3, 311-314 (1994)* | 42.60B | Kohse-Höinghaus K. | Lee M.P.           | B 58/6, 447-457 (1994)  | 34.00  |
| Helfer D.          | Helfer D.        | B 58/4, 309-315 (1994)  | 42.81  | Kokta M.R.         | Eichler H.J.       | B 58/5, 409-411 (1994)  | 42.55R |
| He Mao-Qi          | Ren Zhong-Min    | A 58/4, 395-399 (1994)  | 41.80G | Kötenkamp R.       | Kötenkamp R.       | A 58/1, 87-90 (1994)    | 72.40  |
| Henninger R.       | Kötenkamp R.     | A 58/1, 87-90 (1994)    | 72.40  | Kononenko T.V.     | Nistor L.C.        | A 58/2, 137-144 (1994)  | 61.80B |
| Hentschel W.       | Grünefeld G.     | B 58/4, 333-342 (1994)  | 07.60  | Kostial H.         | Däweritz L.        | A 58/1, 81-86 (1994)    | 65.55L |
| Heritage J.P.      | Delfyett P.J.    | B 58/3, 183-195 (1994)  | 42.55P | Kragler G.         | Kragler G.         | A 58/1, 77-80 (1994)    | 07.65  |
| Hernández J.       | Giorgi M.L. De   | A 58/6, 595-599 (1994)  | 52.25  | Kräitzig E.        | Buse K.            | A 58/3, 291-295 (1994)  | 42.40  |
| Hernández-Caldern  | Meléndez-Lira M. | A 58/3, 319-322 (1994)* | 68.55B | Kräitzig E.        | Loheide S.         | A 58/4, 343-347 (1994)* | 42.40  |
| Herrmann W.        | Wilke I.         | B 58/2, 87-95 (1994)    | 07.60  | Krishnan J.        | Cairns G.          | B 58/1, 51-56 (1994)    | 42.60B |
| Herrmann W.        | Wilke I.         | A 58/4, 329-341 (1994)  | 07.60  | Krotkus A.         | Krotkus A.         | A 58/2, 177-181 (1994)  | 81.40C |
| Heumann E.         | Sandrock T.      | B 58/2, 149-151 (1994)  | 42.55R | Kruger J.          | Kautek W.          | A 58/5, 513-518 (1994)  | 81.60  |
| Hilgers K.         | Stock H.-J.      | A 58/4, 371-376 (1994)  | 68.55  | Krumrey M.         | Stock H.-J.        | A 58/4, 371-376 (1994)  | 68.55  |
| Hnatowicz V.       | Hnatowicz V.     | A 58/4, 349-352 (1994)  | 61.80J | Kück S.            | Kück S.            | B 58/2, 153-156 (1994)  | 42.55R |
| Höchst H.          | Meléndez-Lira M. | A 58/3, 319-322 (1994)* | 68.55B | Kumuduni W.K.A.    | Kumuduni W.K.A.    | B 58/4, 289-294 (1994)  | 52.00  |
| Holden M.          | Cairns G.        | B 58/1, 51-56 (1994)    | 42.60B | Kuneva M.          | Savatino I.        | A 58/5, 481-485 (1994)  | 64.70  |
| Holden P.B.        | Cairns G.        | B 58/1, 51-56 (1994)    | 42.60B | Kürz P.            | Paschotta R.       | B 58/2, 117-122 (1994)  | 42.65K |
| Holden P.B.        | Holden P.B.      | B 58/1, 23-27 (1994)    | 42.55V | Kushawaha V.       | Kushawaha V.       | B 58/6, 533-535 (1994)  | 42.55R |
| Holy V.            | Holy V.          | A 58/3, 273-280 (1994)* | 61.10D | Kvitke J.          | Hnatowicz V.       | A 58/4, 349-352 (1994)  | 61.80J |
| Holzwarth U.       | Holzwarth U.     | A 58/3, 297-310 (1994)* | 62.20M | Langeron J.-P.     | Grigoriev K.G.     | A 58/6, 619-622 (1994)  | 68.55  |
| Hong M.Y.          | Delfyett P.J.    | B 58/3, 183-195 (1994)  | 42.55P | Laurendeau N.M.    | Carter C.D.        | B 58/6, 519-528 (1994)  | 34.50E |
| Hoogenhof W.W. van | Boer D.K.G. de   | A 58/3, 269-272 (1994)* | 61.10L | Laurent A.         | Perrière J.        | A 58/2, 187-190 (1994)  | 68.55  |
| Hsieh W.C.         | Hsieh W.C.       | A 58/5, 459-465 (1994)  | 78.60K | Layadi N.          | Layadi N.          | A 58/5, 507-512 (1994)  | 61.80B |
| Hsiung H.          | Marowsky G.      | B 58/6, 501-503 (1994)  | 42.65  | Leclerc P.         | Manivannan G.      | B 58/1, 73-77 (1994)    | 42.70  |
| Huber G.           | Jensen T.        | B 58/5, 373-379 (1994)  | 42.55R | Lee A.             | Lee A.             | A 58/6, 615-618 (1994)  | 78.65  |
| Huber G.           | Sandrock T.      | B 58/2, 149-151 (1994)  | 42.55R | Lee M.P.           | Lee M.P.           | B 58/6, 447-457 (1994)  | 34.00  |
| Huber G.           | Kück S.          | B 58/2, 153-156 (1994)  | 42.55R | Leenaers A.J.G.    | Boer D.K.G. de     | A 58/3, 269-272 (1994)* | 61.10L |
| Huber G.           | Beier B.         | B 58/5, 381-388 (1994)  | 42.60B | Lee R.W.           | Koch J.A.          | B 58/1, 7-11 (1994)     | 42.55V |
| Huber G.           | Danger T.        | B 58/5, 413-420 (1994)  | 42.55R | Lee Sunwoo         | Lee Sunwoo         | A 58/3, 323-327 (1994)* | 81.15G |
| Hügel H.           | Giesen A.        | B 58/5, 365-372 (1994)  | 42.55R | Legentil M.        | Legentil M.        | B 58/6, 515-517 (1994)  | 42.55G |
| Husinsky W.        | Kautek W.        | A 58/5, 513-518 (1994)  | 81.60  | Lehrmann S.        | Marowsky G.        | B 58/6, 501-503 (1994)  | 42.65  |
| Ikegami T.         | Jia Q.X.         | A 58/5, 487-491 (1994)  | 73.30  | Lehr M.U.          | Peka P.            | A 58/5, 447-451 (1994)  | 71.55G |
| Ippen E.P.         | Ippen E.P.       | B 58/3, 159-170 (1994)  | 42.55  | Leiderer P.        | Yavas O.           | A 58/4, 407-415 (1994)  | 64.70F |
| Ishiguro K.        | Okada N.         | A 58/1, 99-105 (1994)   | 81.15  | Lescinskas D.      | Krotkus A.         | A 58/2, 177-181 (1994)  | 81.40C |
| Itoh Y.            | Itoh Y.          | A 58/1, 59-62 (1994)    | 78.70B | Lessard R.A.       | Manivannan G.      | B 58/1, 73-77 (1994)    | 42.70  |
| Jánosy M.          | Rubin Gy.        | B 58/2, 105-110 (1994)  | 42.55  | Letokhov V.S.      | Sekatskii S.K.     | A 58/5, 467-470 (1994)  | 79.60E |
| Jacob R.J.         | Marzouk H.A.     | A 58/6, 607-613 (1994)  | 81.15  | Leung W.P.         | Yavas O.           | A 58/4, 407-415 (1994)  | 64.70F |
| Jasutis V.         | Krotkus A.       | A 58/2, 177-181 (1994)  | 81.40C | Lewis C.L.S.       | Cairns G.          | B 58/1, 51-56 (1994)    | 42.60B |
| Jensen T.          | Jensen T.        | B 58/5, 373-379 (1994)  | 42.55R | Liarokapis E.      | Savatino I.        | A 58/5, 481-485 (1994)  | 64.70  |
| Jenssen H.P.       | Lieto A. Di      | B 58/1, 69-71 (1994)    | 42.55  | Lideikis T.        | Krotkus A.         | A 58/2, 177-181 (1994)  | 81.40C |
| Jermann F.         | Buse K.          | A 58/3, 291-295 (1994)  | 42.40  | Lieto A. Di        | Lieto A. Di        | B 58/1, 69-71 (1994)    | 42.55  |
| Jiang M.H.         | Wang X.L.        | A 58/1, 73-75 (1994)    | 74.62B | Li Fu-Ming         | Ren Zhong-Min      | A 58/4, 395-399 (1994)  | 41.80G |
| Jiang Y.           | Miklos A.        | B 58/6, 483-492 (1994)  | 43.35U | Lin P.K.           | Gu H.P.            | B 58/2, 143-148 (1994)  | 36.40  |
| Jia Q.X.           | Jia Q.X.         | A 58/5, 487-491 (1994)  | 73.30  | Lion Y.            | Manivannan G.      | B 58/1, 73-77 (1994)    | 42.70  |
| Jordan C.          | Jordan C.        | B 58/2, 111-115 (1994)  | 42.65  | Liu B.             | Eichler H.J.       | B 58/5, 421-424 (1994)  | 42.60L |
| Jordan C.          | Proyer S.        | A 58/5, 471-474 (1994)  | 42.60  | Liu L.             | Wang Y.Z.          | B 58/4, 327-331 (1994)  | 32.80P |
| Kading O.W.        | Matthias E.      | A 58/2, 129-136 (1994)  | 68.60D | Liu Y.S.           | Wang Y.Z.          | B 58/4, 327-331 (1994)  | 32.80P |
| Kadowaki K.        | Yuan S.          | A 58/6, 623-627 (1994)  | 74.25F | Lloret A.          | RocaiCabarrocas P. | A 58/4, 365-369 (1994)  | 81.15G |
| Kajita M.          | Kajita M.        | B 58/4, 295-301 (1994)  | 06.00  | Loesel F.H.        | Fischer J.P.       | B 58/6, 493-499 (1994)  | 87.50H |
| Kaminskii A.A.     | Eichler H.J.     | B 58/5, 421-424 (1994)  | 42.60L | Loffhagen D.       | Lück H.            | B 58/2, 123-132 (1994)  | 42.55G |
| Kändler E.         | Wendler L.       | A 58/2, 167-175 (1994)  | 78.66  | Loffhagen P.       | Schwabedissen A.   | B 58/6, 471-481 (1994)  | 42.55G |
| Kaptein H.C.       | Murnane M.M.     | B 58/3, 261-266 (1994)  | 52.25N | Loheide S.         | Loheide S.         | A 58/4, 343-347 (1994)* | 42.40  |
| Kardinah T.        | Dress P.         | A 58/4, 401-405 (1994)  | 42.40  | Loh T.E.           | Lu Y.F.            | A 58/4, 423-429 (1994)  | 02.00  |
| Katsumura Y.       | Okada N.         | A 58/1, 99-105 (1994)   | 81.15  | Long N.J.          | Serna R.           | A 58/2, 197-202 (1994)  | 64.75  |
| Kautek W.          | Kautek W.        | A 58/5, 513-518 (1994)  | 81.60  | Lou Q.H.           | Gu H.P.            | B 58/2, 143-148 (1994)  | 36.40  |
| Keller U.          | Keller U.        | B 58/5, 347-363 (1994)  | 42.55R | Low T.S.           | Lu Y.F.            | A 58/4, 423-429 (1994)  | 02.00  |
| Kerker E.          | Fischer J.P.     | B 58/6, 493-499 (1994)  | 87.50H | Luches A.          | Giorgi M.L. De     | A 58/6, 595-599 (1994)  | 52.25  |
| Kersten P.         | Grosskloss R.    | B 58/2, 137-142 (1994)  | 07.65  | Lück H.            | Lück H.            | B 58/2, 123-132 (1994)  | 42.55G |
| Key M.H.           | Cairns G.        | B 58/1, 51-56 (1994)    | 42.60B | Lue J.-T.          | Lue J.-T.          | A 58/5, 535-539 (1994)  | 78.66  |
| Key M.H.           | Zhang J.         | B 58/1, 13-18 (1994)    | 42.60B | Lu H.              | Lu H.              | A 58/2, 203-209 (1994)  | 61.16C |
| Khodier S.         | El-Bahrawi M.S.  | A 58/6, 601-605 (1994)  | 78.65  | Luo M.S.C.         | Nuss M.C.          | B 58/3, 249-259 (1994)  | 71.35  |
| Kienle R.          | Lee M.P.         | A 58/6, 447-457 (1994)  | 34.00  | Lu Y.F.            | Lu Y.F.            | A 58/4, 423-429 (1994)  | 02.00  |
| Kim J.S.           | Marzouk H.A.     | A 58/6, 607-613 (1994)  | 81.15  | Lu Y.S.            | Qian Z.L.          | A 58/5, 441-445 (1994)  | 78.50  |
| Kimura T.          | Yuan S.          | A 58/6, 623-627 (1994)  | 74.25F | Luyter F. Le       | Brunel M.          | B 58/6, 443-445 (1994)  | 42.10  |
| Kingston A.E.      | Holden P.B.      | B 58/1, 23-27 (1994)    | 42.55V | Lu Z.              | Eichler H.J.       | B 58/5, 421-424 (1994)  | 42.60L |
| Kishic K.          | Yuan S.          | A 58/6, 623-627 (1994)  | 74.25F | MacGowan B.J.      | Moreno J.C.        | B 58/1, 3-5 (1994)      | 31.30G |
| Kishk S.S.         | El-Bahrawi M.S.  | A 58/6, 601-605 (1994)  | 78.65  | MacGowan B.J.      | Koch J.A.          | B 58/1, 7-11 (1994)     | 42.55V |
| Kleinberg U.       | Stock H.-J.      | A 58/4, 371-376 (1994)  | 68.55  | MacPhee A.G.       | Cairns G.          | B 58/1, 51-56 (1994)    | 42.60B |
| Klingenberg H.H.   | Greiner U.J.     | B 58/5, 393-395 (1994)  | 42.55  | Maeda M.           | Kumuduni W.K.A.    | B 58/4, 289-294 (1994)  | 52.00  |
| Klingshirn C.      | Gaponenko S.V.   | B 58/4, 283-288 (1994)  | 33.00  | Magnana A.         | Yamakawa K.        | B 58/4, 323-326 (1994)  | 42.55R |
| Kloidt A.          | Stock H.-J.      | A 58/4, 371-376 (1994)  | 68.55  | Major L.           | Kushawaha V.       | B 58/6, 533-535 (1994)  | 42.55R |
|                    |                  |                         |        | Malier L.          | Brunel M.          | B 58/6, 443-445 (1994)  | 42.10  |

| Name             | First Author      | Applied Physics         | PACS   | Name                 | First Author         | Applied Physics         | PACS   |
|------------------|-------------------|-------------------------|--------|----------------------|----------------------|-------------------------|--------|
| Manivannan G.    | Manivannan G.     | B 58/1, 73-77 (1994)    | 42.70  | Pesek A.             | Pesek A.             | A 58/3, 241-247 (1994)* | 61.72T |
| Mansour A.       | Mansour A.        | A 58/5, 437-440 (1994)  | 61.80  | Petermann K.         | Kück S.              | B 58/2, 153-156 (1994)  | 42.55R |
| Marine W.        | Layadi N.         | A 58/5, 507-512 (1994)  | 61.80B | Peteves S.D.         | Boise W.             | A 58/5, 493-502 (1994)  | 81.40  |
| Markl J.         | Brandl D.         | A 58/6, 557-562 (1994)  | 68.55G | Petford-Long A.K.    | Serna R.             | A 58/2, 197-202 (1994)  | 64.75  |
| Marowsky G.      | Marowsky G.       | B 58/6, 501-503 (1994)  | 42.65  | Petrocelli G.        | Petrocelli G.        | A 58/4, 431-435 (1994)  | 42.65K |
| Marowsky G.      | Jordan C.         | B 58/2, 111-115 (1994)  | 42.65  | Petit G.H.           | Petit G.H.           | A 58/6, 573-579 (1994)  | 42.10  |
| Marowsky G.      | Stolle R.         | B 58/4, 317-321 (1994)  | 42.65  | Petzold S.           | Matthias E.          | A 58/2, 129-136 (1994)  | 68.60D |
| Martellucci S.   | Petrocelli G.     | A 58/4, 431-435 (1994)  | 42.65K | Pierattini G.        | Nicola S. De         | B 58/2, 133-135 (1994)  | 78.20C |
| Marzouk H.A.     | Marzouk H.A.      | A 58/6, 607-613 (1994)  | 81.15  | Pinnow M.            | Stolle R.            | B 58/3, 249-259 (1994)  | 71.35  |
| Matthias E.      | Matthias E.       | A 58/2, 129-136 (1994)  | 68.60D | Planken P.C.M.       | Nuss M.C.            | B 58/3, 249-259 (1994)  | 71.35  |
| Matveev O.I.     | Omenetto N.       | B 58/4, 303-307 (1994)  | 32.00  | Plowes J.            | Cairns G.            | B 58/1, 51-56 (1994)    | 42.60B |
| Mayle R.W.       | Scott H.A.        | B 58/1, 35-43 (1994)    | 02.00  | Pogossian S.P.       | Pogossian S.P.       | A 58/5, 519-522 (1994)  | 42.80L |
| Meléndez-Lira M. | Meléndez-Lira M.  | A 58/3, 319-322 (1994)* | 68.55B | Pohlmann U.          | Kück S.              | B 58/2, 153-156 (1994)  | 42.55R |
| Menzel R.        | Eichler H.J.      | B 58/5, 409-411 (1994)  | 42.55R | Polonsky L.          | Park C.O.            | B 58/1, 19-22 (1994)    | 42.60B |
| Messer C.J.      | Fischer J.P.      | B 58/6, 493-499 (1994)  | 87.50H | Poon C.C.            | Yavas O.             | A 58/4, 407-415 (1994)  | 64.70F |
| Meyn J.-P.       | Beier B.          | B 58/5, 381-388 (1994)  | 42.60B | Powers P.E.          | Tang C.L.            | B 58/3, 243-248 (1994)  | 42.65R |
| Meyn J.-P.       | Jensen T.         | B 58/5, 373-379 (1994)  | 42.55R | Proyer S.            | Proyer S.            | A 58/5, 471-474 (1994)  | 42.60  |
| Mezei P.         | Rubin Gy.         | B 58/2, 105-110 (1994)  | 42.55  | Puech V.             | Legentil M.          | B 58/6, 515-517 (1994)  | 42.55G |
| Michael A.       | Kushawaha V.      | B 58/6, 533-535 (1994)  | 42.55R |                      |                      |                         |        |
| Miklos A.        | Miklos A.         | B 58/6, 483-492 (1994)  | 43.35U |                      |                      |                         |        |
| Minguzzi P.      | Lieto A. Di       | B 58/1, 69-71 (1994)    | 42.55  | Qian Z.L.            | Qian Z.L.            | A 58/5, 441-445 (1994)  | 78.50  |
| Mitterer S.      | Kautek W.         | A 58/5, 513-518 (1994)  | 81.60  | Qin L.H.             | Qin L.H.             | A 58/2, 163-165 (1994)  | 07.60D |
| Milinsky V.V.    | Alimpiev S.S.     | A 58/1, 67-72 (1994)    | 52.00  | Quinten M.           | Sinzig J.            | A 58/2, 157-162 (1994)  | 42.10  |
| Mlynek J.        | Paschotta R.      | B 58/2, 117-122 (1994)  | 42.65K |                      |                      |                         |        |
| Moehlecke S.     | Andrade M.C. de   | A 58/5, 503-506 (1994)  | 42.79V | Rác B.               | Osvey K.             | A 58/3, 311-314 (1994)* | 42.60B |
| Moreno J.C.      | Moreno J.C.       | B 58/1, 3-5 (1994)      | 31.30G | Ralchenko V.G.       | Nistor L.C.          | A 58/2, 137-144 (1994)  | 61.80B |
| Moreno J.C.      | Koch J.A.         | B 58/1, 7-11 (1994)     | 42.55V | Ramsden S.A.         | Cairns G.            | B 58/1, 51-56 (1994)    | 42.60B |
| Müller P.        | Stock H.-J.       | A 58/4, 371-376 (1994)  | 68.55  | Reichling M.         | Matthias E.          | A 58/2, 129-136 (1994)  | 68.60D |
| Murakami H.      | Itoh Y.           | A 58/1, 59-62 (1994)    | 78.70B | Reisfeld R.          | Gaponenko S.V.       | B 58/4, 283-288 (1994)  | 33.00  |
| Murnane M.M.     | Murnane M.M.      | B 58/3, 261-266 (1994)  | 52.25N | Renna L.             | Giorgi M.L. De       | A 58/6, 595-599 (1994)  | 52.25  |
|                  |                   |                         |        | Renotte Y.           | Manivannan G.        | B 58/1, 73-77 (1994)    | 42.70  |
| Nagatomo S.      | Takai M.          | A 58/4, 359-363 (1994)  | 81.60B | Ren Zhong-Min        | Ren Zhong-Min        | A 58/4, 395-399 (1994)  | 41.80G |
| Nagib N.N.       | El-Bahrawi M.S.   | A 58/6, 601-605 (1994)  | 78.65  | Resto W.             | Omenetto N.          | B 58/4, 303-307 (1994)  | 32.00  |
| Nakagawa K.      | Akulshin A.M.     | B 58/6, 529-532 (1994)  | 42.60  | Reucroft P.J.        | Marzouk H.A.         | A 58/6, 607-613 (1994)  | 81.15  |
| Nakata Y.        | Kumuduni W.K.A.   | B 58/4, 289-294 (1994)  | 52.00  | Riehemann S.         | Loheide S.           | A 58/4, 343-347 (1994)* | 42.40  |
| Neely D.         | Cairns G.         | B 58/1, 51-56 (1994)    | 42.60B | Ristau D.            | Zimmermann P.        | A 58/4, 377-383 (1994)  | 78.20N |
| Nelson K.A.      | Rogers J.A.       | A 58/5, 523-534 (1994)  | 43.35P | Riva R.              | Legentil M.          | B 58/6, 515-517 (1994)  | 42.55G |
| Neske E.         | Matthias E.       | A 58/2, 129-136 (1994)  | 68.60D | Robertson E.         | Holden P.B.          | B 58/1, 23-27 (1994)    | 42.55V |
| Neuschäfer D.    | Marowsky G.       | B 58/6, 501-503 (1994)  | 42.65  | Robertson J.D.       | Marzouk H.A.         | A 58/6, 607-613 (1994)  | 81.15  |
| Nicola S. De     | Nicola S. De      | B 58/2, 133-135 (1994)  | 78.20C | Roca i Cabarrocas P. | Layadi N.            | A 58/5, 507-512 (1994)  | 61.80B |
| Nicola S. De     | Nicola S. De      | B 58/6, 439-442 (1994)  | 42.20  | Roca i Cabarrocas P. | Roca i Cabarrocas P. | A 58/4, 365-369 (1994)  | 81.15G |
| Niemz M.H.       | Fischer J.P.      | B 58/6, 493-499 (1994)  | 87.50H | RodriguezParada J.M. | Marowsky G.          | B 58/6, 501-503 (1994)  | 42.65  |
| Niemz M.H.       | Niemz M.H.        | B 58/4, 273-281 (1994)  | 87.50H | Rogers J.A.          | Rogers J.A.          | A 58/5, 523-534 (1994)  | 43.35P |
| Nikiforov S.M.   | Alimpiev S.S.     | A 58/1, 67-72 (1994)    | 52.00  | Romanjuk V.I.        | Alimpiev S.S.        | A 58/1, 67-72 (1994)    | 52.00  |
| Nikogosyan D.N.  | Nikogosyan D.N.   | A 58/3, 281-290 (1994)* | 42.65  | Romano-Rodriguez A.  | Vanhellemont J.      | A 58/6, 541-549 (1994)  | 61.80F |
| Niles D.W.       | Meléndez-Lira M.  | A 58/3, 319-322 (1994)* | 68.55B | Romano V.            | Helfer D.            | B 58/4, 309-315 (1994)  | 42.81  |
| Nilsen J.        | Moreno J.C.       | B 58/1, 3-5 (1994)      | 31.30G | Roskos H.G.          | Nuss M.C.            | B 58/3, 249-259 (1994)  | 71.35  |
| Nilsen J.        | Koch J.A.         | B 58/1, 7-11 (1994)     | 42.55V | Rubin Gy.            | Rubin Gy.            | B 58/2, 105-110 (1994)  | 42.55  |
| Ninomiya Y.      | Sumiyoshi T.      | A 58/5, 457-479 (1994)  | 42.60  | Rubinov A.N.         | Rubinov A.N.         | B 58/1, 83-84 (1994)    | 42.60  |
| Nistor L.C.      | Nistor L.C.       | A 58/2, 137-144 (1994)  | 61.80B | Rudko G.Yu.          | Gorbach T.Ya.        | A 58/2, 183-186 (1994)  | 78.55H |
| Norreys P.N.     | Cairns G.         | B 58/1, 51-56 (1994)    | 42.60B | Ryba-Romanowski W.   | Dominik-Dzik G.      | A 58/6, 551-555 (1994)  | 78.55H |
| Nuss M.C.        | Nuss M.C.         | B 58/3, 249-259 (1994)  | 71.35  | Rybka Y.             | Hnatowicz V.         | A 58/4, 349-352 (1994)  | 61.80J |
|                  |                   |                         |        |                      |                      |                         |        |
| Obara M.         | Sumiyoshi T.      | A 58/5, 457-479 (1994)  | 42.60  | Saitoh T.            | Tamura M.            | A 58/2, 145-155 (1994)  | 61.14  |
| Obraztsova E.D.  | Nistor L.C.       | A 58/2, 137-144 (1994)  | 61.80B | Sakurai T.           | Lu H.                | A 58/2, 203-209 (1994)  | 61.16C |
| Oelhafen P.      | Mansour A.        | A 58/5, 437-440 (1994)  | 61.80  | Salmon E.            | Gaboriaud R.J.       | A 58/4, 385-388 (1994)  | 74.75  |
| Ogasawara H.     | Sumiyoshi T.      | A 58/5, 457-479 (1994)  | 42.60  | Sandajji H.          | Takai M.             | A 58/4, 359-363 (1994)  | 81.60B |
| Ohtsu M.         | Akulshin A.M.     | B 58/6, 529-532 (1994)  | 42.60  | Sandrock T.          | Sandrock T.          | B 58/2, 149-151 (1994)  | 42.55R |
| Okada N.         | Okada N.          | A 58/1, 99-105 (1994)   | 81.15  | Sankey J.D.          | Sankey J.D.          | B 58/6, 467-470 (1994)  | 42.60D |
| Okada T.         | Kumuduni W.K.A.   | B 58/4, 289-294 (1994)  | 52.00  | Santos J.H.R. dos    | Santos J.H.R. dos    | A 58/5, 453-457 (1994)  | 66.30  |
| Omenetto N.      | Omenetto N.       | B 58/4, 303-307 (1994)  | 32.00  | Saris F.W.           | Boise W.             | A 58/5, 493-502 (1994)  | 81.40  |
| Opower H.        | Giesen A.         | B 58/5, 365-372 (1994)  | 42.55R | Sauerbrey R.         | Petit G.H.           | A 58/6, 573-579 (1994)  | 42.10  |
| Oppliger Y.      | Wilke I.          | A 58/4, 329-341 (1994)  | 07.60  | Savatinova I.        | Savatinova I.        | A 58/5, 481-485 (1994)  | 64.70  |
| Osterfeld M.     | Osterfeld M.      | A 58/3, 315-318 (1994)* | 42.82  | Schilling G.         | Schilling G.         | B 58/4, 267-271 (1994)  | 42.65  |
| Osterfeld M.     | Osterfeld M.      | A 58/6, 589-593 (1994)  | 78.66Q | Schmidt H.           | Golla D.             | B 58/5, 389-392 (1994)  | 42.55R |
| Ostroumov V.G.   | Jensen T.         | B 58/5, 373-379 (1994)  | 42.55R | Schmiedeskamp B.     | Stock H.-J.          | A 58/4, 371-376 (1994)  | 68.55  |
| Osvey K.         | Osvey K.          | A 58/3, 311-314 (1994)* | 42.60B | Scholz F.            | Stock H.-J.          | A 58/4, 371-376 (1994)  | 68.55  |
|                  |                   |                         |        | Schöne W.            | Golla D.             | B 58/5, 389-392 (1994)  | 42.55R |
|                  |                   |                         |        | Schönhoff U.         | Kück S.              | B 58/2, 153-156 (1994)  | 42.55R |
|                  |                   |                         |        | Schoppmann Ch.       | Brandl D.            | A 58/6, 557-562 (1994)  | 68.55G |
| Palmer J.E.      | Tamura M.         | A 58/2, 145-155 (1994)  | 61.14  | Schröder T.          | Schröder T.          | B 58/5, 425-438 (1994)  | 42.70  |
| Park C.O.        | Park C.O.         | B 58/1, 19-22 (1994)    | 42.60B | Schulz H.-J.         | Peka P.              | A 58/5, 447-451 (1994)  | 71.55G |
| Park H.K.        | Yavas O.          | A 58/4, 407-415 (1994)  | 64.70F | Schwabedissen A.     | Schwabedissen A.     | B 58/6, 471-481 (1994)  | 42.55G |
| Park J.H.        | Park J.H.         | A 58/2, 125-128 (1994)  | 78.30F | Schwab P.            | Proyer S.            | A 58/5, 471-474 (1994)  | 42.60  |
| Paschotta R.     | Paschotta R.      | B 58/2, 117-122 (1994)  | 42.65K | Schwarz R.           | Peka P.              | A 58/5, 447-451 (1994)  | 71.55G |
| Pasiskевич V.    | Krotkus A.        | A 58/2, 177-181 (1994)  | 81.40C | Schwentner N.        | Schilling G.         | B 58/4, 267-271 (1994)  | 42.65  |
| Pasquiers S.     | Legentil M.       | B 58/6, 515-517 (1994)  | 42.55G | Scofield J.H.        | Moreno J.C.          | B 58/1, 3-5 (1994)      | 31.30G |
| Pati S.P.        | Dash G.N.         | A 58/2, 211-217 (1994)  | 85.30  | Scott H.A.           | Scott H.A.           | B 58/1, 35-43 (1994)    | 02.00  |
| Peka P.          | Peka P.           | A 58/5, 447-451 (1994)  | 71.55G | Sekatskii S.K.       | Sekatskii S.K.       | A 58/5, 467-470 (1994)  | 79.60E |
| Perez R.         | Santos J.H.R. dos | A 58/5, 453-457 (1994)  | 66.30  | Serna R.             | Manivannan G.        | B 58/1, 73-77 (1994)    | 42.70  |
| Perrière J.      | Perrière J.       | A 58/2, 187-190 (1994)  | 68.55  | Serna R.             | Serna R.             | A 58/2, 197-202 (1994)  | 64.75  |
| Perrière J.      | Gaboriaud R.J.    | A 58/4, 385-388 (1994)  | 74.75  | Serna R.             | Vega F.              | A 58/4, 417-421 (1994)  | 81.60  |
| Perrone A.       | Giorgi M.L. De    | A 58/6, 595-599 (1994)  | 52.25  | Shang S.X.           | Wang X.L.            | A 58/1, 73-75 (1994)    | 74.62B |
| Pert G.J.        | Cairns G.         | B 58/1, 51-56 (1994)    | 42.60B | Shcherbakov I.A.     | Jensen T.            | B 58/5, 373-379 (1994)  | 42.55R |
| Pert G.J.        | Holden P.B.       | B 58/1, 23-27 (1994)    | 42.55V |                      |                      |                         |        |



| Name                 | First Author     | Applied Physics         | PACS   | Name              | First Author  | Applied Physics        | PACS   |
|----------------------|------------------|-------------------------|--------|-------------------|---------------|------------------------|--------|
| Sheng J.-S.          | Lue J.-T.        | A 58/5, 535-539 (1994)  | 78.66  | Varpakhovich A.G. | Rubinov A.N.  | B 58/1, 83-84 (1994)   | 42.60  |
| Shi H.T.             | Qin L.H.         | A 58/2, 163-165 (1994)  | 07.60D | Vega F.           | Vega F.       | A 58/4, 417-421 (1994) | 81.60  |
| Sibbett W.           | Sibbett W.       | B 58/3, 171-181 (1994)  | 42.55R | Vickridge I.      | Perrière J.   | A 58/2, 187-190 (1994) | 68.55  |
| Siegel J.            | Matthias E.      | A 58/2, 129-136 (1994)  | 68.60D | Vignes J.-L.      | Grigorov K.G. | A 58/6, 619-622 (1994) | 68.55  |
| Silva L.B. Da        | Koch J.A.        | B 58/1, 7-11 (1994)     | 42.55V | Vogt A.W.         | Vogt A.W.     | B 58/1, 57-62 (1994)   | 32.80P |
| Silva L.B. Da        | Moreno J.C.      | B 58/1, 3-5 (1994)      | 31.30G | Voit H.           | Brandl D.     | A 58/6, 557-562 (1994) | 68.55G |
| Simoen E.            | Simoen E.        | A 58/4, 353-358 (1994)  | 85.30T | Voss A.           | Giesen A.     | B 58/5, 365-372 (1994) | 42.55R |
| Simon P.             | Proyer S.        | A 58/5, 471-474 (1994)  | 42.60  | Walker D.R.       | Greiner U.J.  | B 58/5, 393-395 (1994) | 42.55  |
| Sinzig J.            | Sinzig J.        | A 58/2, 157-162 (1994)  | 42.10  | Wallenstein R.    | Beier B.      | B 58/5, 381-388 (1994) | 42.60B |
| Skurk H.             | Matthias E.      | A 58/2, 129-136 (1994)  | 68.60D | Wallenstein R.    | Schröder T.   | B 58/5, 425-438 (1994) | 42.70  |
| Sluis P. van der     | Sluis P. van der | A 58/3, 229-234 (1994)* | 61.10D | Wang H.           | Wang X.L.     | A 58/1, 73-75 (1994)   | 74.62B |
| Smertenko P.S.       | Gorbach T.Ya.    | A 58/2, 183-186 (1994)  | 78.55H | Wang X.D.         | Lu H.         | A 58/2, 203-209 (1994) | 61.16C |
| Smith A.P.           | Smith A.P.       | B 58/6, 459-466 (1994)  | 82.40P | Wang X.J.         | Wang Y.Z.     | B 58/4, 327-331 (1994) | 32.80P |
| Smith B.W.           | Omenetto N.      | B 58/4, 303-307 (1994)  | 32.00  | Wang X.L.         | Wang X.L.     | A 58/1, 73-75 (1994)   | 74.62B |
| Smith C.G.           | Cairns G.        | B 58/1, 51-56 (1994)    | 42.60B | Wang Y.Z.         | Wang Y.Z.     | B 58/4, 327-331 (1994) | 32.80P |
| Solis J.             | Vega F.          | A 58/4, 417-421 (1994)  | 81.60  | Wang Z.Q.         | Qian Z.L.     | A 58/5, 441-445 (1994) | 78.50  |
| Speiser S.           | Danstker D.      | B 58/2, 97-104 (1994)   | 42.10  | Wang Z.Y.         | Gu H.P.       | B 58/2, 143-148 (1994) | 36.40  |
| Spence D.E.          | Sibbett W.       | B 58/3, 171-181 (1994)  | 42.55R | Weber H.P.        | Helfer D.     | B 58/4, 309-315 (1994) | 42.81  |
| Spousta J.           | Layadi N.        | A 58/5, 507-512 (1994)  | 61.80B | Welling H.        | Freitag I.    | B 58/6, 537-550 (1994) | 42.50  |
| Sprung D.W.L.        | Wu H.            | A 58/6, 581-587 (1994)  | 72.10  | Welsch E.         | Zimmermann P. | A 58/4, 377-383 (1994) | 78.20N |
| Stangl E.            | Proyer S.        | A 58/5, 471-474 (1994)  | 42.60  | Wendler L.        | Wendler L.    | A 58/2, 167-175 (1994) | 78.66  |
| Steingruber J.       | Steingruber J.   | B 58/1, 29-34 (1994)    | 52.25D | Werner H.         | Zhang X.B.    | A 58/2, 107-116 (1994) | 61.10  |
| Stock H.-J.          | Stock H.-J.      | A 58/4, 371-376 (1994)  | 68.55  | Wilke I.          | Wilke I.      | B 58/2, 87-95 (1994)   | 07.60  |
| Stolle R.            | Stolle R.        | B 58/4, 317-321 (1994)  | 42.65  | Wilke I.          | Wilke I.      | A 58/4, 329-341 (1994) | 07.60  |
| Strelitsky V.E.      | Nistor L.C.      | A 58/2, 137-144 (1994)  | 61.80B | Willeke G.        | Kragler G.    | A 58/1, 77-80 (1994)   | 07.65  |
| Strobel G.L.         | Strobel G.L.     | B 58/1, 45-50 (1994)    | 42.55V | Willutzki P.      | Britton D.T.  | A 58/4, 389-393 (1994) | 71.65  |
| Stupak A.P.          | Gaponenko S.V.   | B 58/4, 283-288 (1994)  | 33.00  | Winefordner J.D.  | Omenetto N.   | B 58/4, 303-307 (1994) | 32.00  |
| Su C.S.              | Hsieh W.C.       | A 58/5, 459-465 (1994)  | 78.60K | Wittig K.         | Giesen A.     | B 58/5, 365-372 (1994) | 42.55R |
| Suckewer S.          | Park C.O.        | B 58/1, 19-22 (1994)    | 42.60B | Wu H.             | Wu H.         | A 58/6, 581-587 (1994) | 72.10  |
| Sugioka K.           | Zhang S.K.       | A 58/2, 191-195 (1994)  | 61.70T | Xiong Xia-Xing    | Ren Zhong-Min | A 58/4, 395-399 (1994) | 41.80G |
| Suhm N.              | Fischer J.P.     | B 58/6, 493-499 (1994)  | 87.50H | Yada C.           | Takai M.      | A 58/4, 359-363 (1994) | 81.60B |
| Sumiyoshi T.         | Sumiyoshi T.     | A 58/5, 457-479 (1994)  | 42.60  | Yamakawa K.       | Yamakawa K.   | B 58/4, 323-326 (1994) | 42.55R |
| Svechnikov S.V.      | Gorbach T.Ya.    | A 58/2, 183-186 (1994)  | 78.55H | Yang I.S.         | Park J.H.     | A 58/2, 125-128 (1994) | 78.30F |
| Svorcik V.           | Hnatowicz V.     | A 58/4, 349-352 (1994)  | 61.80J | Yang Y.           | Rogers J.A.   | A 58/5, 523-534 (1994) | 43.35P |
| Szabo G.             | Szabo G.         | B 58/3, 237-241 (1994)  | 42.60  | Yang Z.           | Yuan S.       | A 58/6, 623-627 (1994) | 74.25F |
| Szatmári S.          | Szatmári S.      | B 58/3, 211-223 (1994)  | 42.60  | Yavas O.          | Yavas O.      | A 58/4, 407-415 (1994) | 64.70F |
| Takai M.             | Takai M.         | A 58/4, 359-363 (1994)  | 81.60B | Ying Zhi-Feng     | Ren Zhong-Min | A 58/4, 395-399 (1994) | 41.80G |
| Takeya F.            | Takai M.         | A 58/4, 359-363 (1994)  | 81.60B | Yodo T.           | Tamura M.     | A 58/2, 145-155 (1994) | 61.14  |
| Takeya H.            | Yuan S.          | A 58/6, 623-627 (1994)  | 74.25F | Yuan S.           | Yuan S.       | A 58/6, 623-627 (1994) | 74.25F |
| Tallents G.J.        | Cairns G.        | B 58/1, 51-56 (1994)    | 42.60B | Zabel H.          | Zabel H.      | A 58/3, 259-268 (1994) | 61.10L |
| Tam A.C.             | Yavas O.         | A 58/4, 407-415 (1994)  | 64.70F | Zagumennyi A.I.   | Jensen T.     | B 58/5, 373-379 (1994) | 42.55R |
| Tamura M.            | Tamura M.        | A 58/2, 145-155 (1994)  | 61.14  | Zaiser M.         | Tölg C.       | A 58/1, 3-10 (1994)    | 61.80F |
| Tanaka H.            | Sumiyoshi T.     | A 58/5, 457-479 (1994)  | 42.60  | Zaiser M.         | Tölg C.       | A 58/1, 11-19 (1994)   | 61.80F |
| Tang C.L.            | Tang C.L.        | B 58/3, 243-248 (1994)  | 42.65R | Zhang J.          | Cairns G.     | B 58/1, 51-56 (1994)   | 42.60B |
| Teo B.S.             | Lu Y.F.          | A 58/4, 423-429 (1994)  | 02.00  | Zhang J.          | Zhang J.      | B 58/1, 13-18 (1994)   | 42.60B |
| Ter-Mikirtychev V.V. | Sekatskii S.K.   | A 58/5, 467-470 (1994)  | 79.60E | Zhang R.          | Qin L.H.      | A 58/2, 163-165 (1994) | 07.60D |
| Thoma F.             | Simoen E.        | A 58/4, 353-358 (1994)  | 85.30T | Zhang S.K.        | Zhang S.K.    | A 58/2, 191-195 (1994) | 61.70T |
| Tölg C.              | Tölg C.          | A 58/1, 3-10 (1994)     | 61.80F | Zhang S.Y.        | Qian Z.L.     | A 58/5, 441-445 (1994) | 78.50  |
| Tölg C.              | Tölg C.          | A 58/1, 11-19 (1994)    | 61.80F | Zhang X.B.        | Zhang X.B.    | A 58/2, 107-116 (1994) | 61.10  |
| Tomaschko Ch.        | Brandl D.        | A 58/6, 557-562 (1994)  | 68.55G | Zhang X.F.        | Zhang X.B.    | A 58/2, 107-116 (1994) | 61.10  |
| Toncelli A.          | Lieto A. Di.     | B 58/1, 69-71 (1994)    | 42.55  | Zhao Z.X.         | Wang X.L.     | A 58/1, 73-75 (1994)   | 74.62B |
| Tonchev S.           | Savatinova I.    | A 58/5, 481-485 (1994)  | 64.70  | Zheng Y.D.        | Qin L.H.      | A 58/2, 163-165 (1994) | 07.60D |
| Tonelli M.           | Lieto A. Di.     | B 58/1, 69-71 (1994)    | 42.55  | Zhou S.Y.         | Wang Y.Z.     | B 58/4, 327-331 (1994) | 32.80P |
| Toyoda K.            | Zhang S.K.       | A 58/2, 191-195 (1994)  | 61.70T | Zhu X.D.          | Lee A.        | A 58/6, 615-618 (1994) | 78.65  |
| Treidris G.          | Krotkus A.       | A 58/2, 177-181 (1994)  | 81.40C | Zimmermann P.     | Zimmermann P. | A 58/4, 377-383 (1994) | 78.20N |
| Triftshäuser W.      | Britton D.T.     | A 58/4, 389-393 (1994)  | 71.65  | Zou S.C.          | Zhang S.K.    | A 58/2, 191-195 (1994) | 61.70T |
| Tünnermann A.        | Golla D.         | B 58/5, 389-392 (1994)  | 42.55R | Zvyagin A.V.      | Kajita M.     | B 58/4, 295-301 (1994) | 06.00  |
| Turkin A.A.          | Dubinko V.I.     | A 58/1, 21-34 (1994)    | 61.70  |                   |               |                        |        |
| Turkin A.A.          | Turkin A.A.      | A 58/1, 35-39 (1994)    | 61.70  |                   |               |                        |        |
| Valakh M.Ya.         | Gorbach T.Ya.    | A 58/2, 183-186 (1994)  | 78.55H |                   |               |                        |        |
| Vanhellemont J.      | Kragler G.       | A 58/1, 77-80 (1994)    | 07.65  |                   |               |                        |        |
| Vanhellemont J.      | Vanhellemont J.  | A 58/6, 541-549 (1994)  | 61.80F |                   |               |                        |        |
| Van Landuyt J.       | Nistor L.C.      | A 58/2, 137-144 (1994)  | 61.80B |                   |               |                        |        |
| Varadarajan T.S.     | Bangar Raju B.   | B 58/1, 79-81 (1994)    | 42.55M |                   |               |                        |        |

\* In the March issue of Volume A 58 [Appl. Phys. A 58/3 (1994)], there was unfortunately an error in pagination; all page numbers should have been 100 higher. In the present index the correct page numbers are given.



